

Work Order ID 137400

Monday, September 28, 2015 11:42:32 AM

137400

Page 1

Item ID: 647.3903 Accept *N900040100* Setup Start *NS1*
 Revision ID: B137400 Stop *NS2*
 Item Name: Deflector Assembly
 Start Date: 9/28/15 Start Qty: 2.00 *2* Cust Item ID:
 Required Date: 9/29/15 Req'd Qty: 2.00 *2* Customer:
 Reference:

Approvals: Process Plan: [Signature] Date: 15.9.28 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
647.3900	C1

110 Pick Kit 0.00
 110
 Packaging Memo 0.00
 Packaging

120 0.00
 120
 Small Fab Memo 0.00
 Small Fab Assemble as per dwg and apply loctite 598 on all faying surfaces per note .
 A/R RTV LOCTITE 598: M131311
 exp. date: 11/16

130 QC5- Inspect part completeness to step on W/O 0.00
 130
 QC Memo 0.00
 Quality Control

DAS 27 9-89
 SEP 28 2015
 2X
 15/09/28
 DAS 36 9-89
 150928
 DAS 9 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

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Page 2

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Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Deflector Assembly

Start Date: 9/28/15 Start Qty: 2.00 ***2***

Cust Item ID:

Required Date: 9/29/15 Req'd Qty: 2.00 ***2***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

140

Identify as per dwg & Stock Location: CC6 024 0.00***140***

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER IAW MPP-120

2 15/9/29 SD

150

QC21 - Final Inspection - Work Order Release 0.00

150

QC

Memo

0.00

Quality Control

MW SEP 29 2015SEP 29 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																					
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Picklist Print

Monday, September 28, 2015 11:42:42 AM

Page 1

Work Order ID: 137400

137400

Parent Item: 647.3903

647.3903

Parent Item Name: Deflector Assembly

Start Date: 9/28/15

Required Date: 9/29/15

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 14.07.21 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status															
647.3915 *647 3915* Deflector		Manufactured	No				Each	27.0000	**	2		AS 27 9-89																
<table><tr><th><u>Location</u></th><th><u>Loc Qty</u></th><th><u>Loc Code</u></th></tr><tr><td>CCK054</td><td>27</td><td></td></tr><tr><td>131243</td><td>18</td><td></td></tr><tr><td>131450</td><td>1</td><td></td></tr><tr><td>131611</td><td>8</td><td></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>	CCK054	27		131243	18		131450	1		131611	8	
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CCK054	27																											
131243	18																											
131450	1																											
131611	8																											
647.3916 *647 3916* Deflector		Manufactured	No				Each	4.0000	**	2		AS 27 9-89																
<table><tr><th><u>Location</u></th><th><u>Loc Qty</u></th><th><u>Loc Code</u></th></tr><tr><td>cck023</td><td>4</td><td></td></tr><tr><td>130538</td><td>4</td><td></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>	cck023	4		130538	4							
<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>																										
cck023	4																											
130538	4																											
647.3917 *647 3917* Doubler		Manufactured	No				Each	13.0000	**	4		AS 27 9-89																
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cck111	13																											
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CR3213-6-9 *CR3213-6-9* Cherry Rivet		Purchased	No				Each	50.0000	**	12		AS 27 9-89																
<table><tr><th><u>Location</u></th><th><u>Loc Qty</u></th><th><u>Loc Code</u></th></tr><tr><td>ST318</td><td>50</td><td></td></tr><tr><td>m131049</td><td>50</td><td></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>	ST318	50		m131049	50							
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SEP 28 2015

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
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Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

ENGINEERING CHANGE NOTICE NO. 04948

SHEET 1 OF 2

DWG NO. 647.3900

REV: C

PREPARED BY: M. ANDECK

DATE: 05/04/15

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

MFG

QC

EFF:

CURRENT ORDER

ECR:

D-15-01

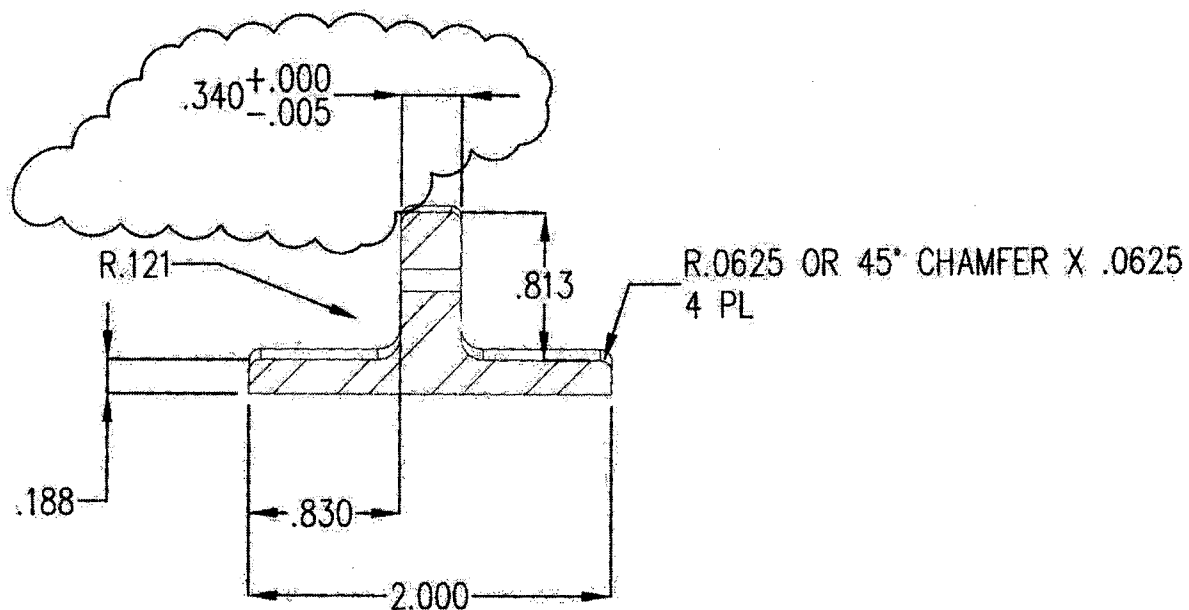
REASON: REVISED TOLERANCE AND NOTES

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
- 5 APPLY F/N 3 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6, 7 & 8 UPON ASSY.
- 6 MAXIMUM OR MINIMUM DIMENSION AFTER FINISH.
7. .0625 HOLE MAY BE ADDED FOR FINISHING PURPOSES
- 8 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.
- 9 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX.
- 10 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4.

SHEET 1, ZONE B1 IS:

11	R	647.3917	2			DOUBLER		
F/N	TC	PART NUMBER	.3903	.3902	.3901	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY					
DOCUMENTS EFFECTED:							CHANGE CATEGORY	DER REVIEW REQUIRED
☐ PATTERN ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM							☐ MAJOR ☒ MINOR	☐ YES ☒ NO



SECTION AT-AT

SHEET 11, ZONE C1 IS:

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04556

SHEET 1 OF 2

DWG NO. 647.3900

REV: C

PREPARED BY D. MEJIA

DATE: 06/10/2014

EFFECT ON DWG
☐ INC. ☒ UNING.

DWG TITLE: DEFLECTORS

APPROVED BY: ENGR

MFG

QC

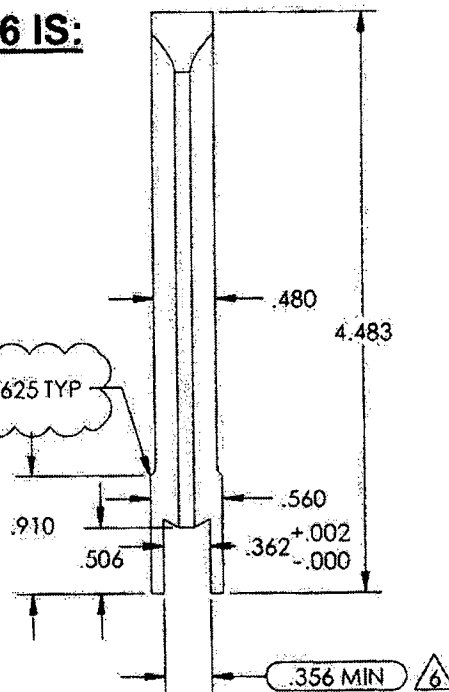
EFF. NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

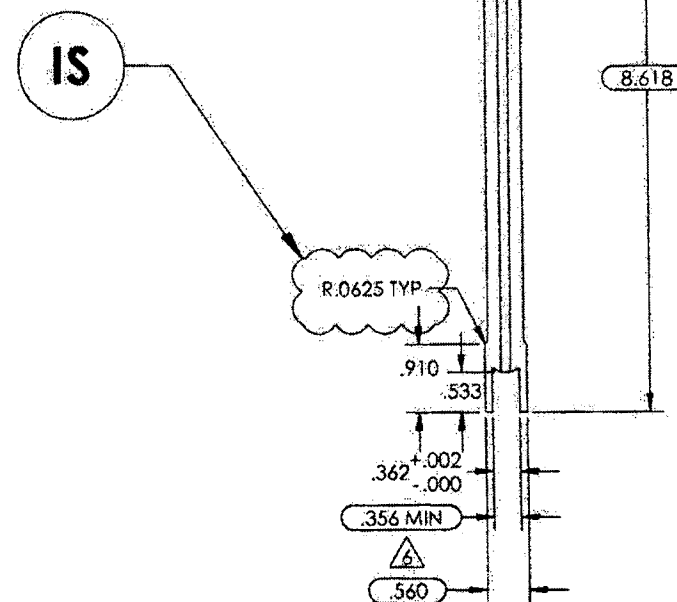
REASON: CHANGED P/N, DIMENSIONS & REVISED BOM

ECR: D-14-04

SHEET 5, ZONE C6 IS:

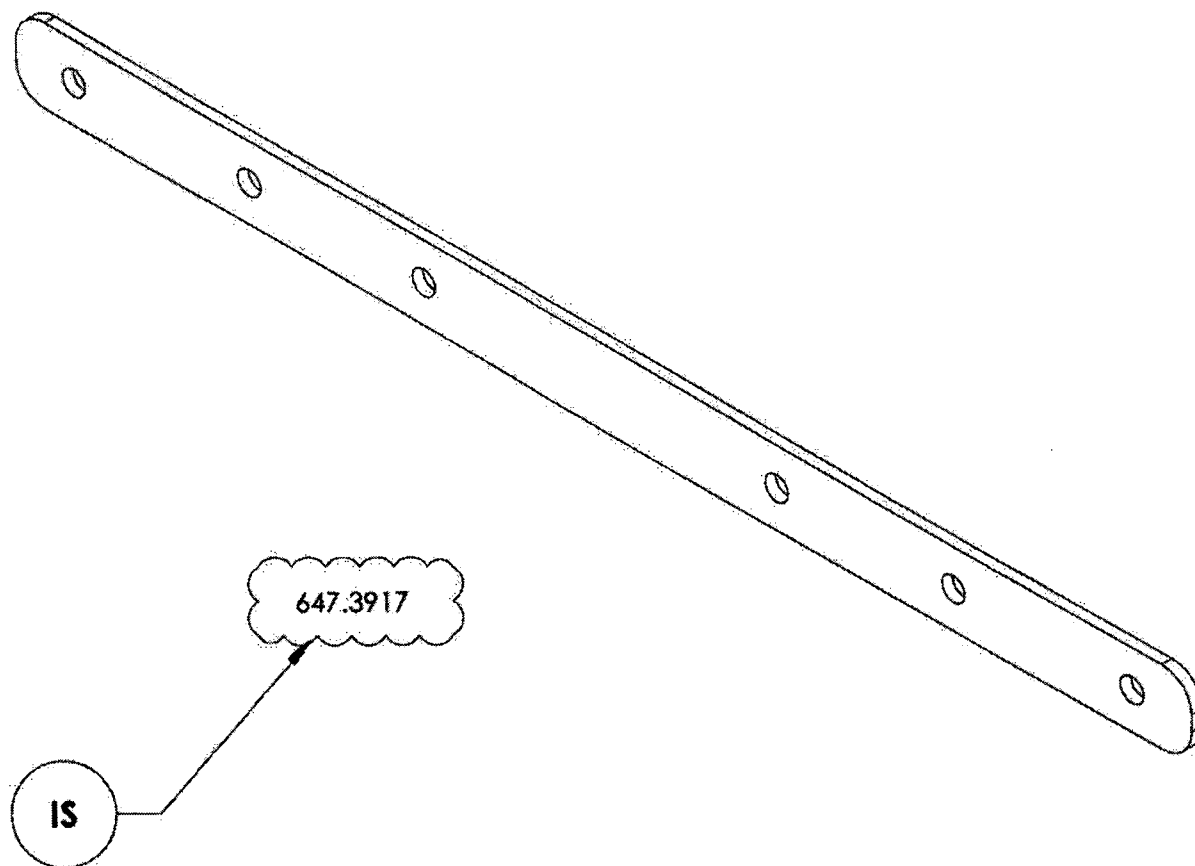


SHEET 6, ZONE C6 IS:



SHEET 1, BOM IS:

11	R	647.3917	2		DOUBLER	1	8
F/N	TC	PART NUMBER	3903	3902	3901	DESCRIPTION	SPECIFICATION
		QTY					
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO

SHEET 12, ZONE B5 IS:

9 FINISH: PRETREAT PR-148 ADHESION PROMOTER,
PRIME IAW MIL-P-23377J, TYPE I, CLASS N;
1-2 MIL MAX.

04556, 04948

6				12	601.3072	RIVET	CR3213-G-9	
2				11	647.3917	DOUBLER		
1				10	647.3916	DEFLECTOR, UPPER HALF		
1				9	647.3915	DEFLECTOR, LOWER HALF		
1	1			8	647.3914	BREAKAWAY TIP LONG		
		1		7	647.3913	BREAKAWAY TIP MEDIUM		
	1	1		6	647.3912	LOWER DEFLECTOR		
				5	647.3911	212 UPPER DEFLECTOR		
				4	647.3910	412 UPPER DEFLECTOR		
A/R	A/R	A/R		3	601.2045	RTV, LOCTITE 598		
	3	2		2	601.3074	RIVET	MS20470AD 6-12	
				1		DELETED		
X					647.3903	DEFLECTOR ASSY		
	X				647.3902	LOWER DEFLECTOR ASSY HIGH		
		X			647.3901	LOWER DEFLECTOR ASSY LOW		
.3903	.3902	.3901	FIND #	PART #	DESCRIPTION	MAT'L	SPEC	
QTY				PARTS LIST				
NEXT ASSY (S)				APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 DEFLECTORS				
647.3800								
ORIGINAL DATE DUC-DATTE 07-10-89 DRAWN BY D. SCHUR CHECKED BY D. BARKER DRAWING APPROVAL & REWORK 08-10-89 CONTRACT NO.				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 7 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°				
				NET CAGE CODE DWS. NO. 647.3900 SCALE NONE SHEET 1 OF 12				

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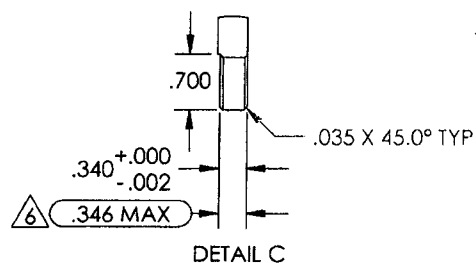
.125 X 45.0° TYP

SECTION B-B

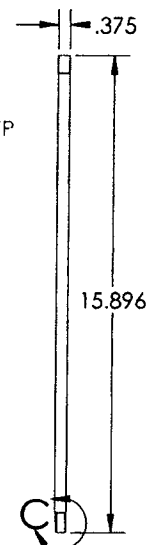
Ø.177 THRU 3PL

.266 X 17.9°

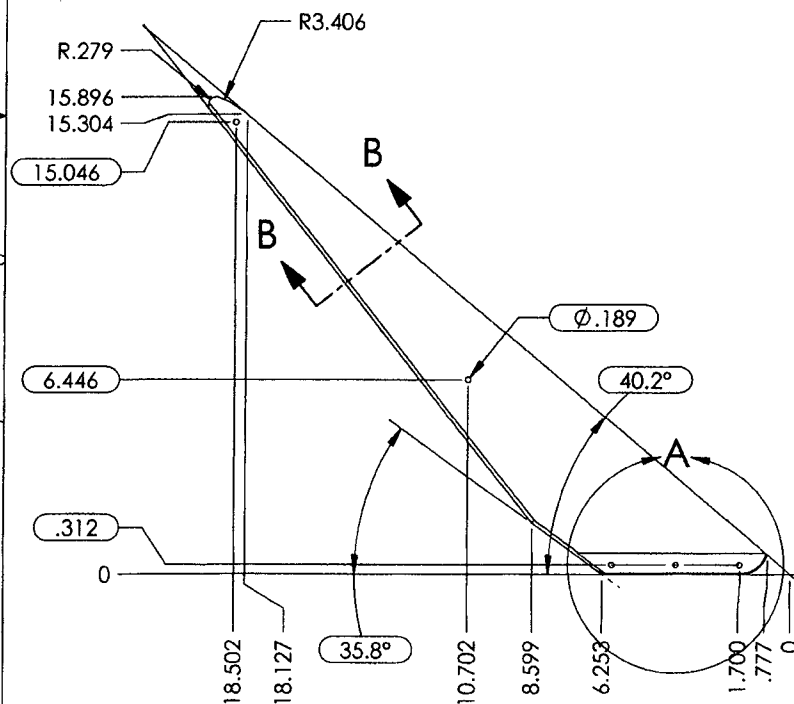
DETAIL A



DETAIL C

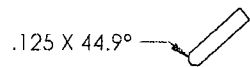


647.3911

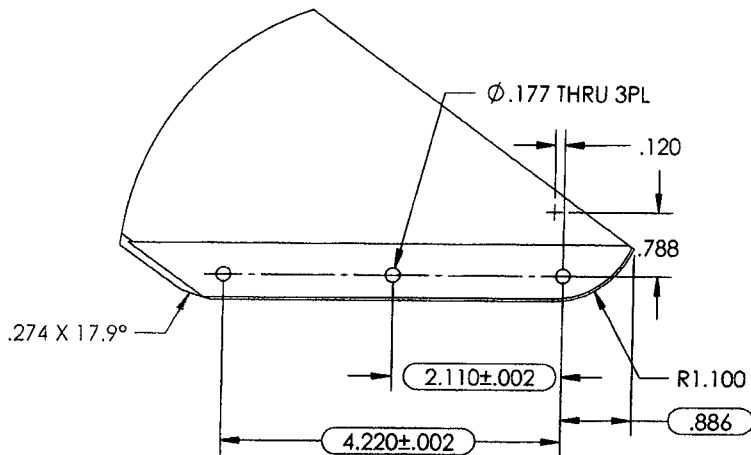
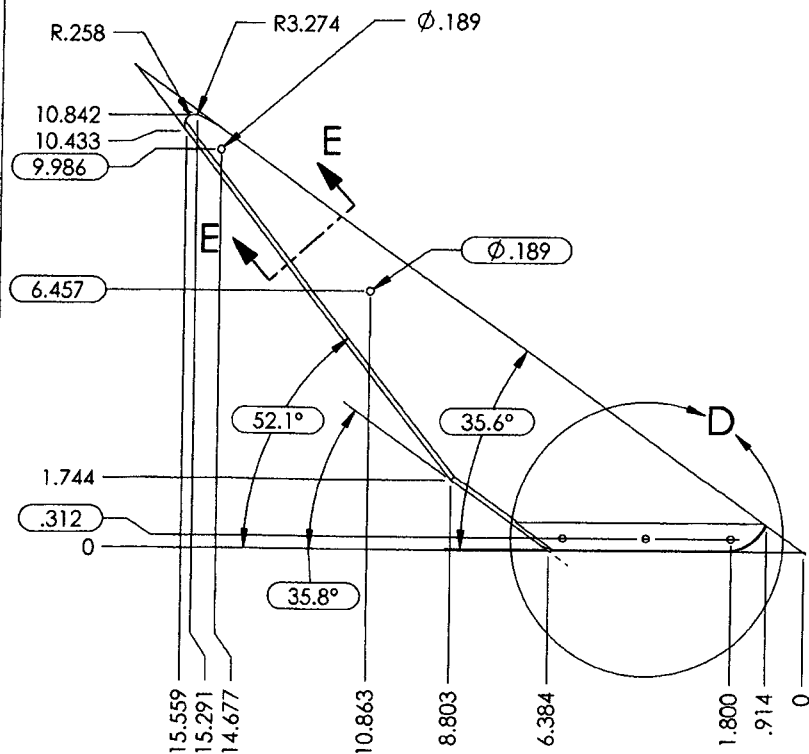


ORIGINAL DATE: 08-10-20		APICAL INDUSTRIES	
DRAWN BY: DLSCHUR	CHECKER: DBARKER	2608 TEMPLE HEIGHTS DR.	
DRAWING APPROVAL: J. WAND		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CORRECT TO: 08-10-20		DEFLECTORS	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 2 PLACE DECIMALS: ±.01 3 PLACE DECIMALS: ±.005 ANGLES: ±.5°		SHEET: 8	REV: C
CAGE CODE: 8 07426		DWG. NO: 647.3900	
SCALE: NONE		SHEET: 2 OF 12	

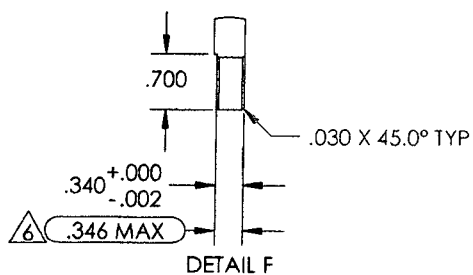
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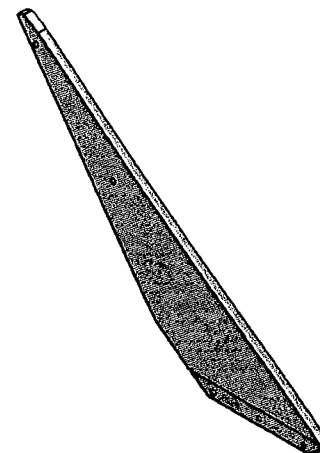
SECTION E-E



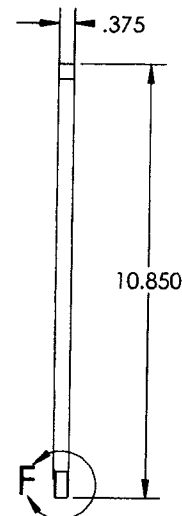
DETAIL D



DETAIL F

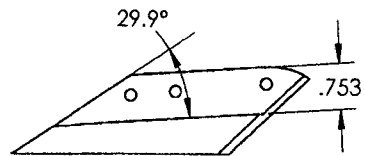


647.3910

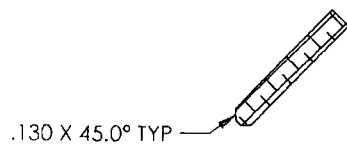


ORIGINAL DATE JUN 04-97 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKED D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.		SEE CAGE CODE B 07M16	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS $\pm .01$ ANGLES $\pm .5^\circ$		DWG. NO. 647.3900	SHEET 3 OF 12
SCALE: NONE			

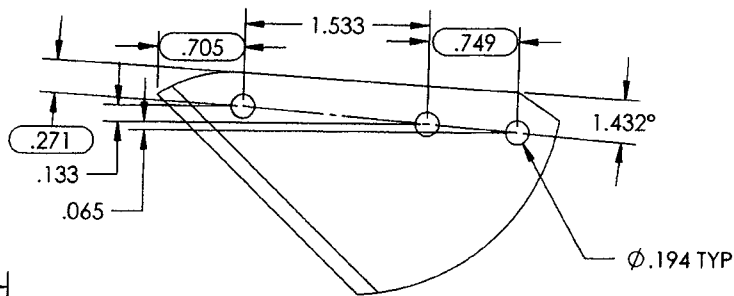
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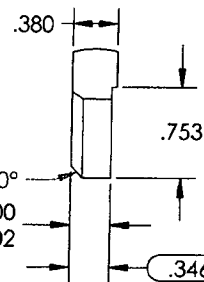
SECTION L-L



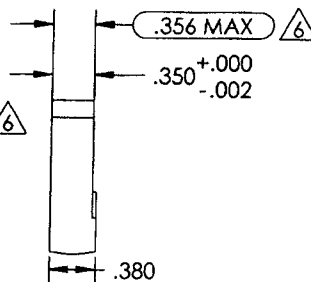
SECTION M-M



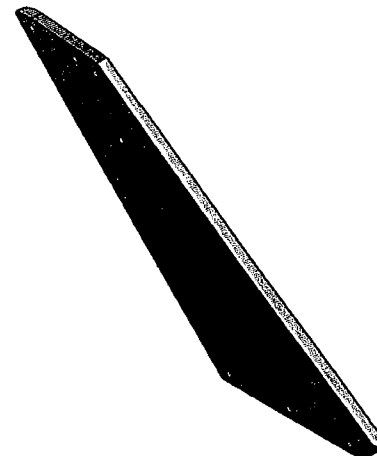
DETAIL H



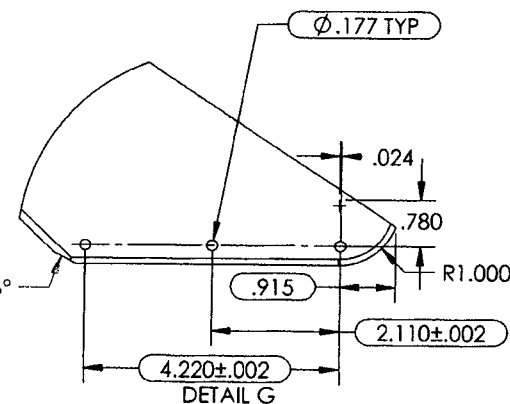
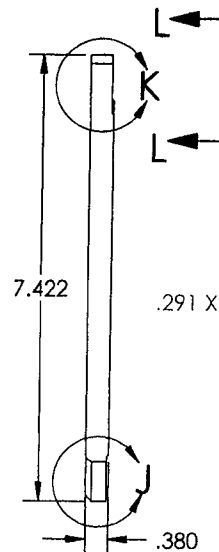
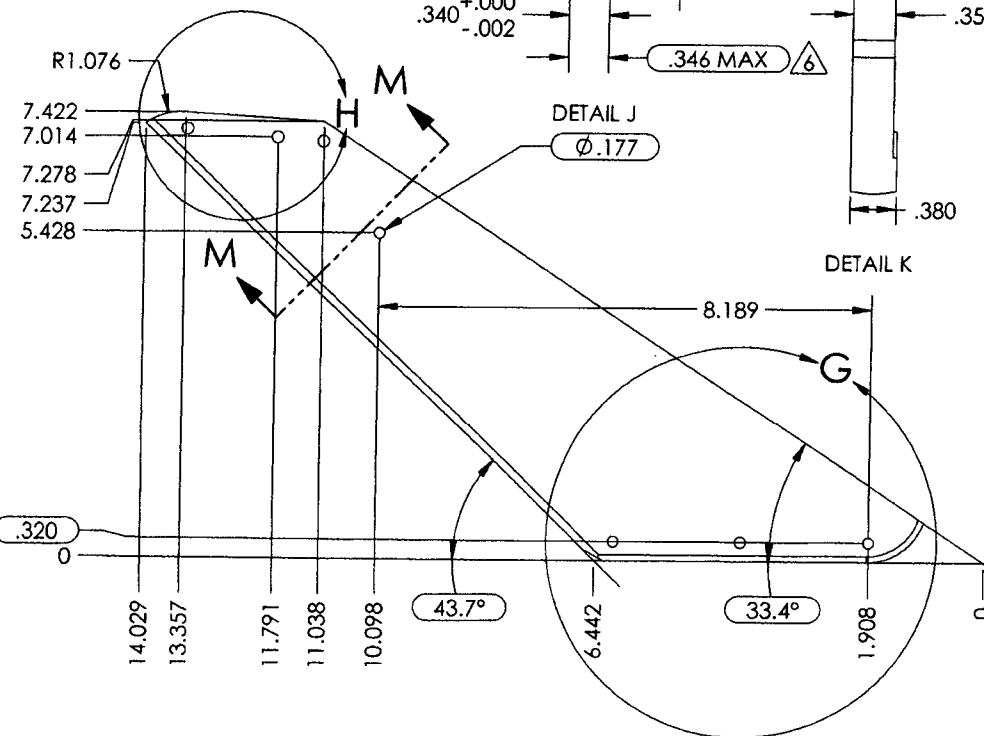
DETAIL J



DETAIL K



647.3912



DETAIL G

ORIGINAL DATE (MO-DA-YE) 09-10-09		APICAL INDUSTRIES	
DRAWN BY ECS/CP	CHECKED DRA/REP	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO	CONTRACT NO.	DEFLECTORS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE CAGE CODE B 07M26	REV. C
		DWG NO. 647.3900	SHEET 4 OF 12
		SCALE NONE	

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.180 X 45.0° TYP

SECTION N-N

R.269

R3.534

SECTION AD-AD

3.376

.130

R1.675

.917

1.504

3.135

.417

4.483

3.696

Ø.189 THRU 2PL

Ø.194 THRU 2PL

1.196

.506

.337

0

R.264

41.9°

31.4°

1.780

3.414

3.284

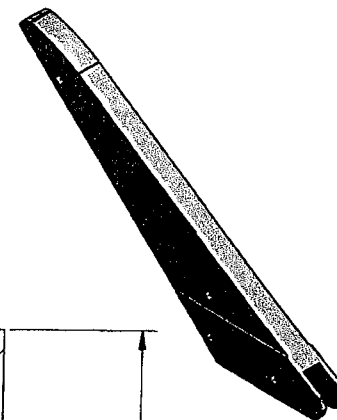
4.029

6.618

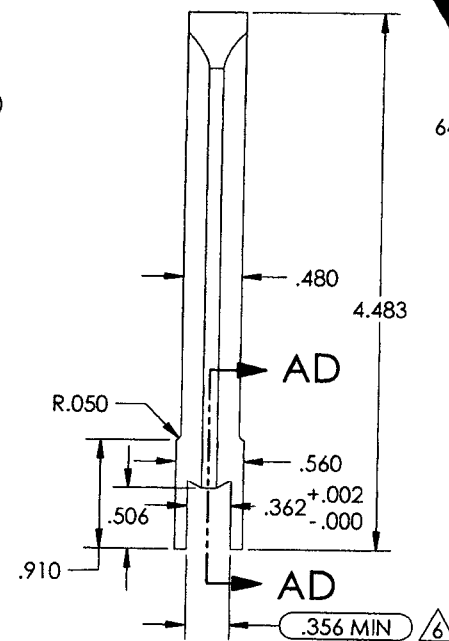
7.036

7.749

8.007



647.3913

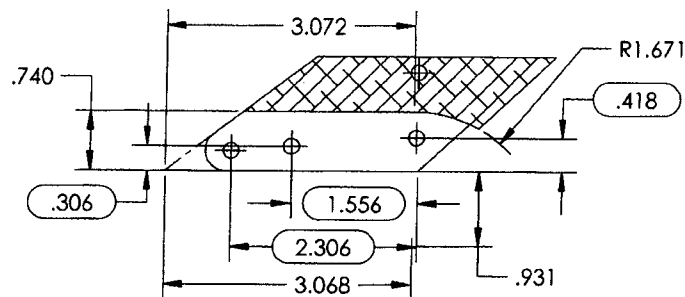


ORIGINAL DATE (MM-DD-YY) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKED BY D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .01 3 PLACE DECIMALS .005 ANGLES ± .5°		SHEET 5 OF 12	

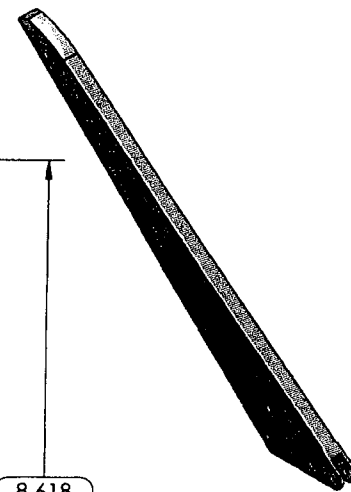
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.175 X 45.0° TYP

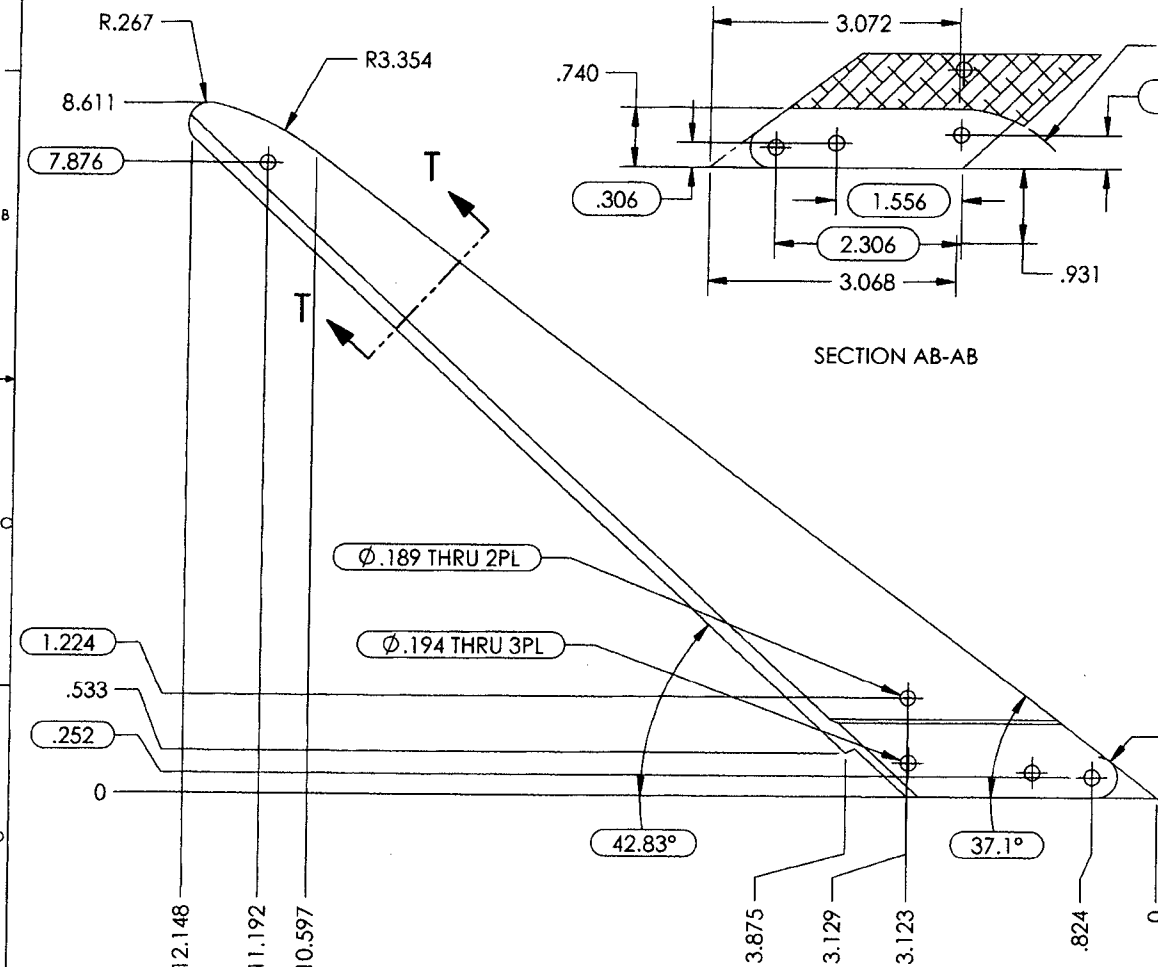
SECTION T-T



SECTION AB-AB



647.3914



R.050 TYP

R.255

.910

.533

.362 +.002 / -.000

.356 MIN

.560

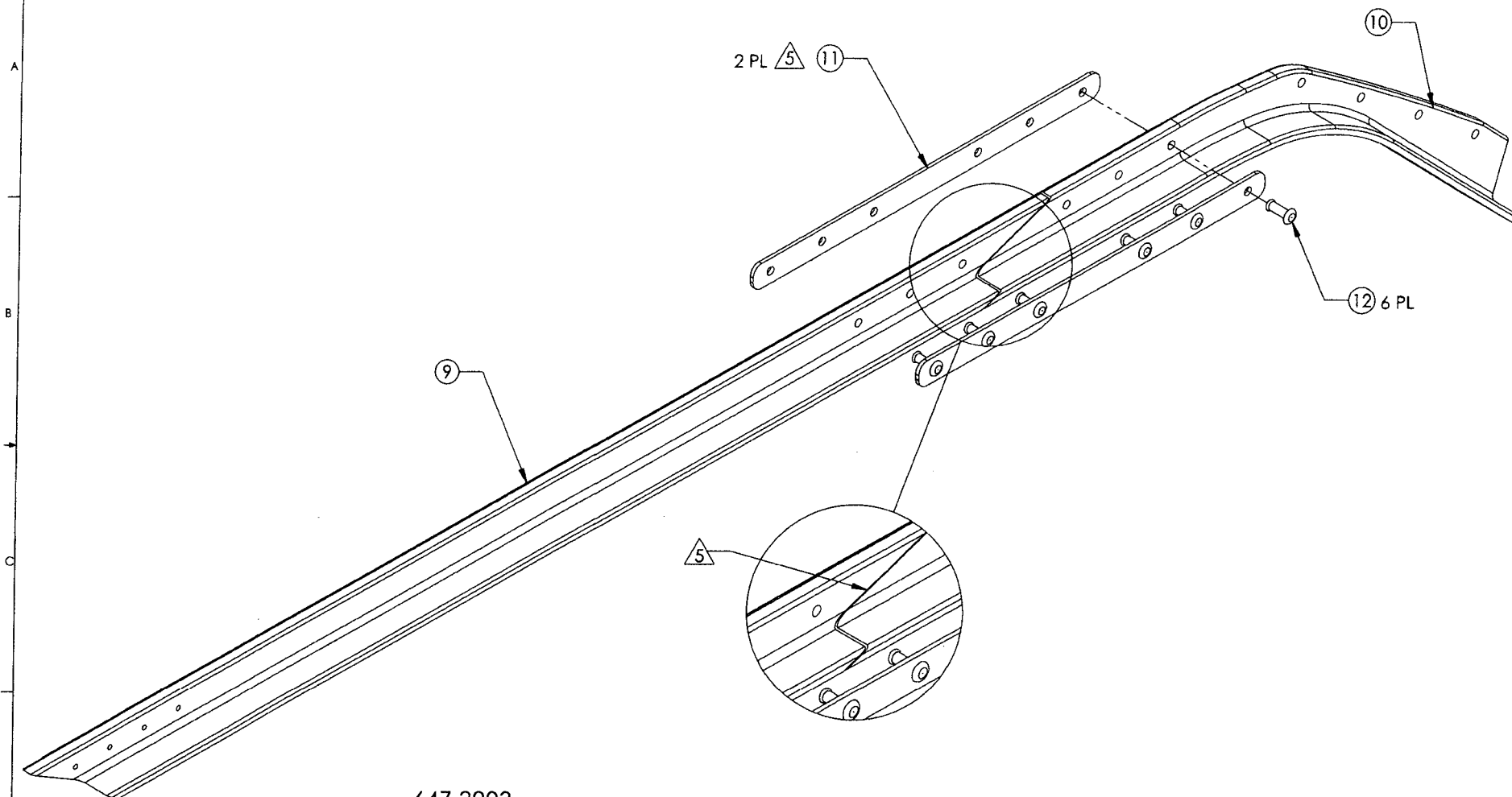
AB

AB

ORIGINAL DATE 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR		2608 TEMPLE HEIGHTS DR.	
CHECKED BY D.BARKER		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .001 3 PLACE DECIMALS .001 ANGLES .5°		SHEET 6 OF 12	
SHEET	CAGE CODE	DWG. NO.	REV.
B	D7M26	647.3900	C
SCALE NONE			

1 2 3 4 5 6 7 8

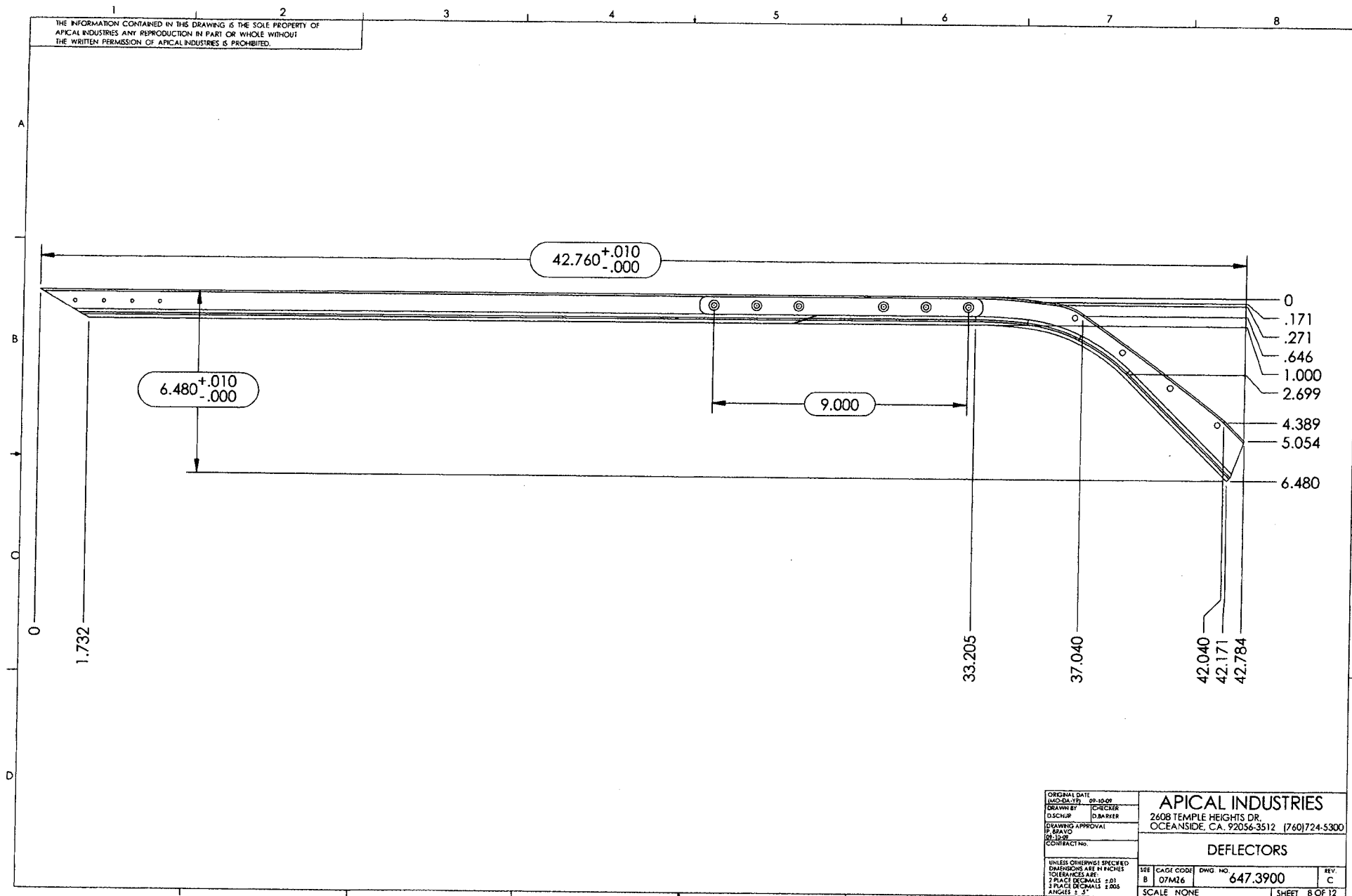
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647.3903

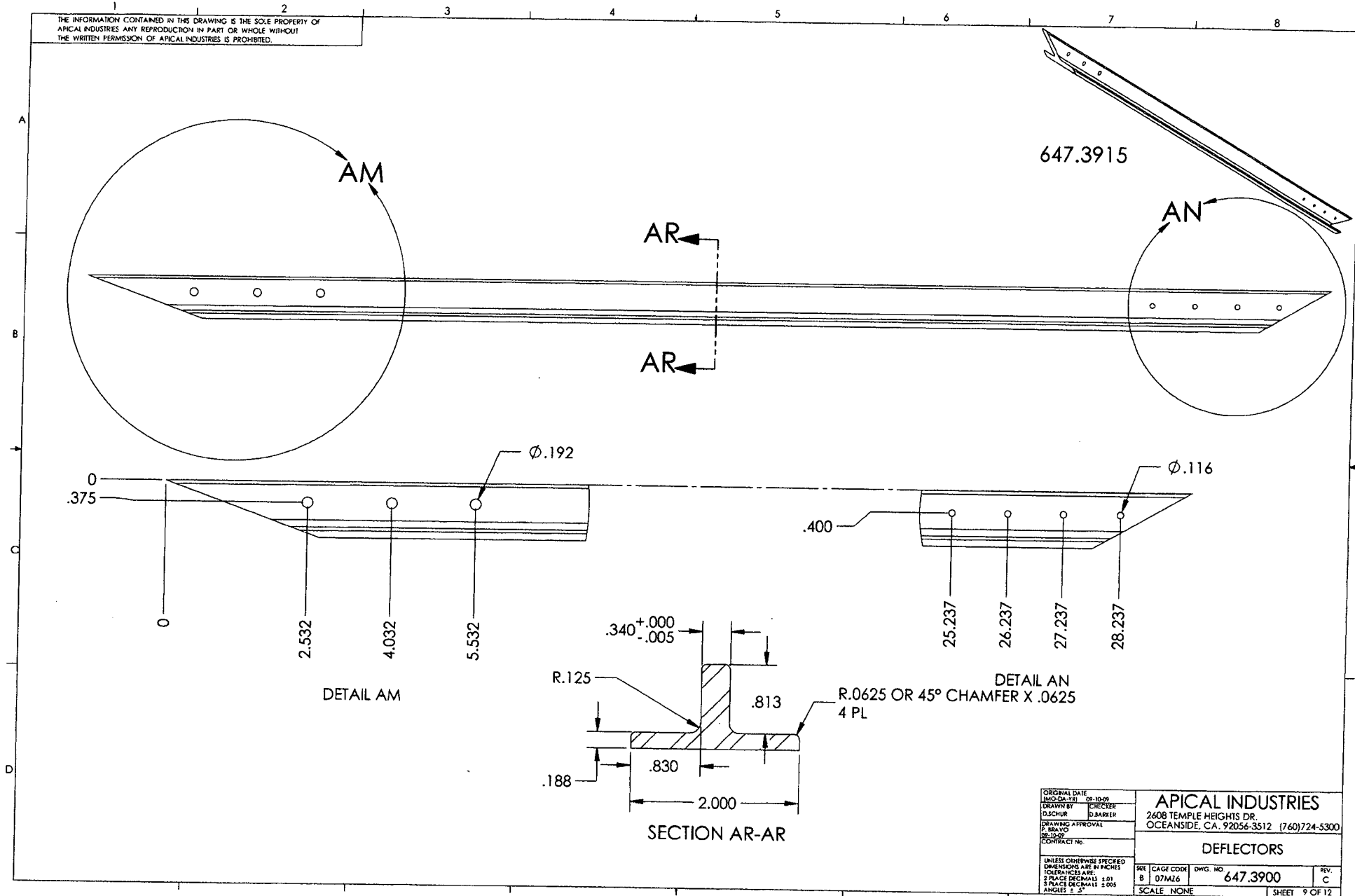
ORIGINAL DATE 08-15-09		APICAL INDUSTRIES	
DRAWN BY O.SCHUR	CHECKED O.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 08-15-09		DEFLECTORS	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B	REV. C
		CAGE CODE 07M26	DWG. NO. 647.3900
		SCALE NONE	
		SHEET 7 OF 12	

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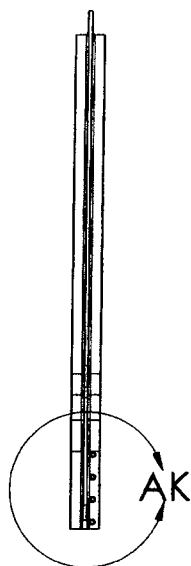
ORIGINAL DATE JUN-08-17 09:10:00		APICAL INDUSTRIES	
DRAWN BY D.SCHUP		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY D.BARBER		DEFLECTORS	
DRAWING APPROVAL P. BRAY		REV. C	
DESIGN CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.005 ANGLES ±.5°		SER B	CAGE CODE 07M26
		DWG NO. 647.3900	SHEET 8 OF 12

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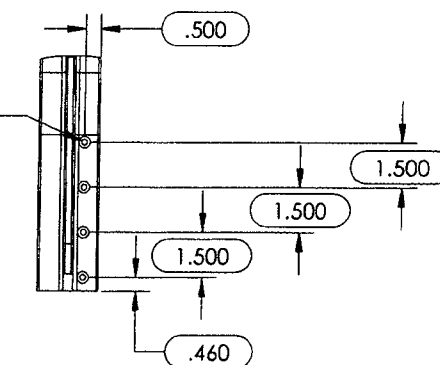


ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKED BY D.BARRER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.		SER. B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		DWG. NO. 647.3900	
		SCALE NONE	SHEET 9 OF 12

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4X $\varnothing .196 \pm .010$ THRU ALL
 $\checkmark \varnothing .385 \pm .020 \times 100^\circ \pm 1.000^\circ$

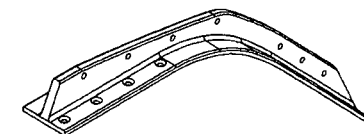


DETAIL AK

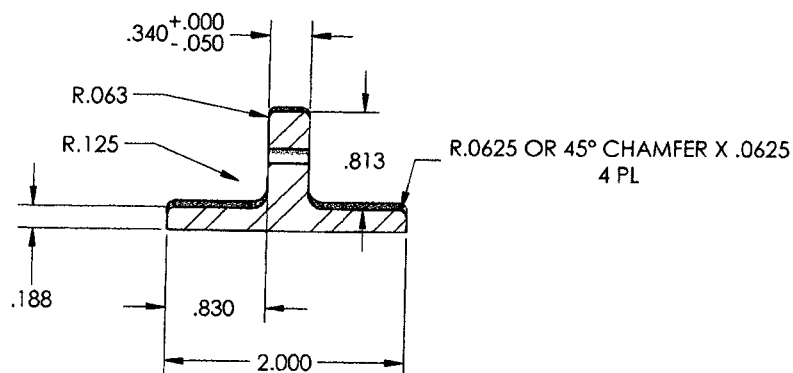
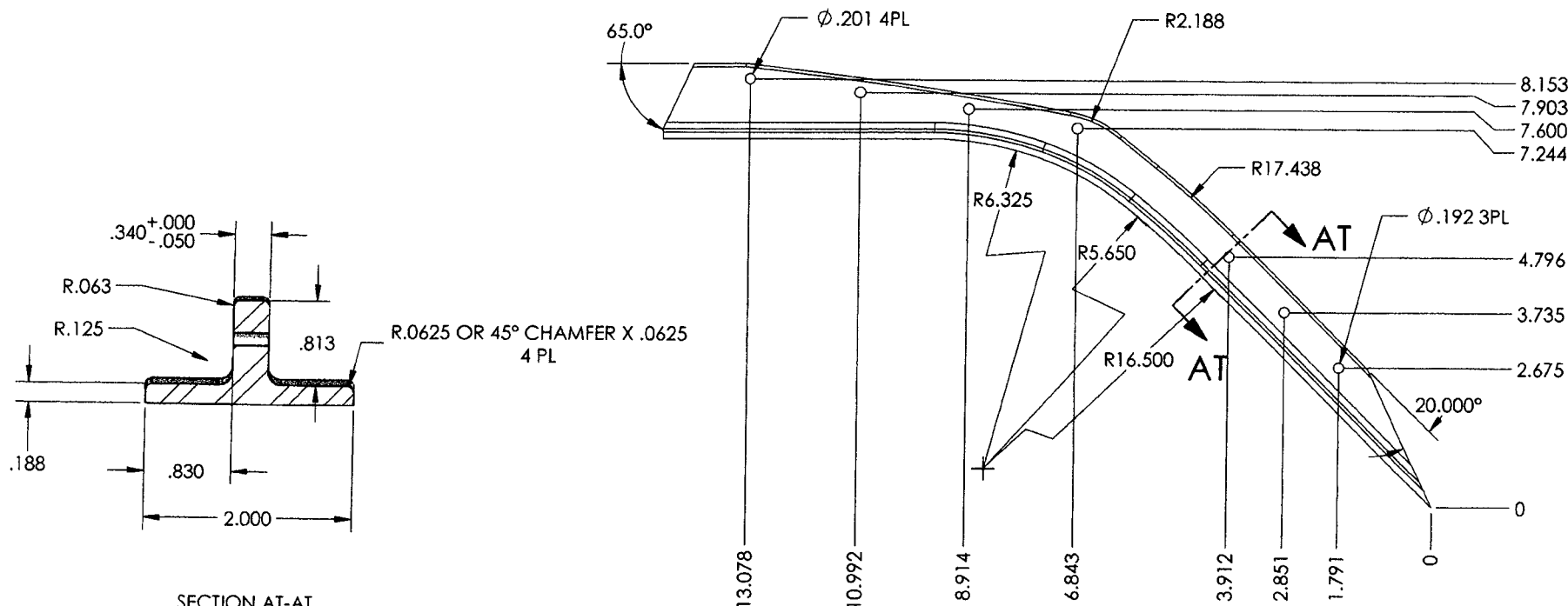
647.3915

ORIGINAL DATE (MCD-DA-181) 09-10-09	APICAL INDUSTRIES		
DRAWN BY D. SCHUP	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
CHECKED D. SCHUP	DEFLECTORS		
DRAWING APPROVAL P. BRAVO	09-10-09		
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
SHEET B	CAGE CODE 07M26	DWG. NO. 647.3900	REV C
SCALE NONE		SHEET 10 OF 12	

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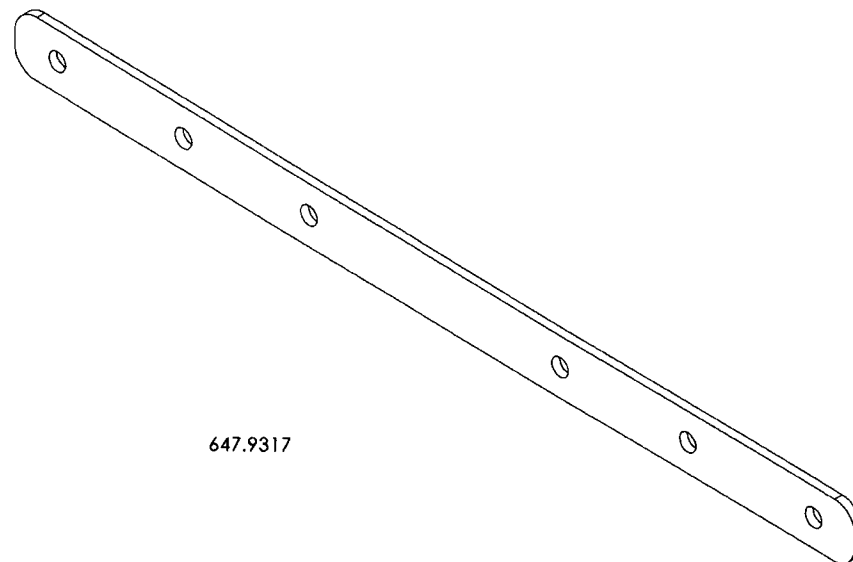
647.3916



SECTION AT-AT

ORIGINAL DATE (MO-DA-YR) 07-10-09		APICAL INDUSTRIES	
DRAWN BY EJCHURCH	CHECKED JOSHIPER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO	REV. DATE	DEFLECTORS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. C
		CAGE CODE 07M16	DWG. NO. 647.3900
		SCALE NONE	
		SHEET 11 OF 12	

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R.250
4 PL

.625

.090

Ø.196
6 PL

0

.500

2.000

3.500

6.500

8.000

9.500

10.000

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY TCHIEFER		2608 TEMPLE HEIGHTS DR.	
D.SCHUR		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAYO		DEFLECTORS	
06-10-09			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 8	REV. C
		CAGE CODE 07MZ6	DWG. NO. 647.3900
		SCALE NONE	SHEET 12 OF 12